

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P935983

Luminaire Tested: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-4-3000K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P935983  
REPORT IS A COMBINATION OF REPORTS P933774 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-4-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

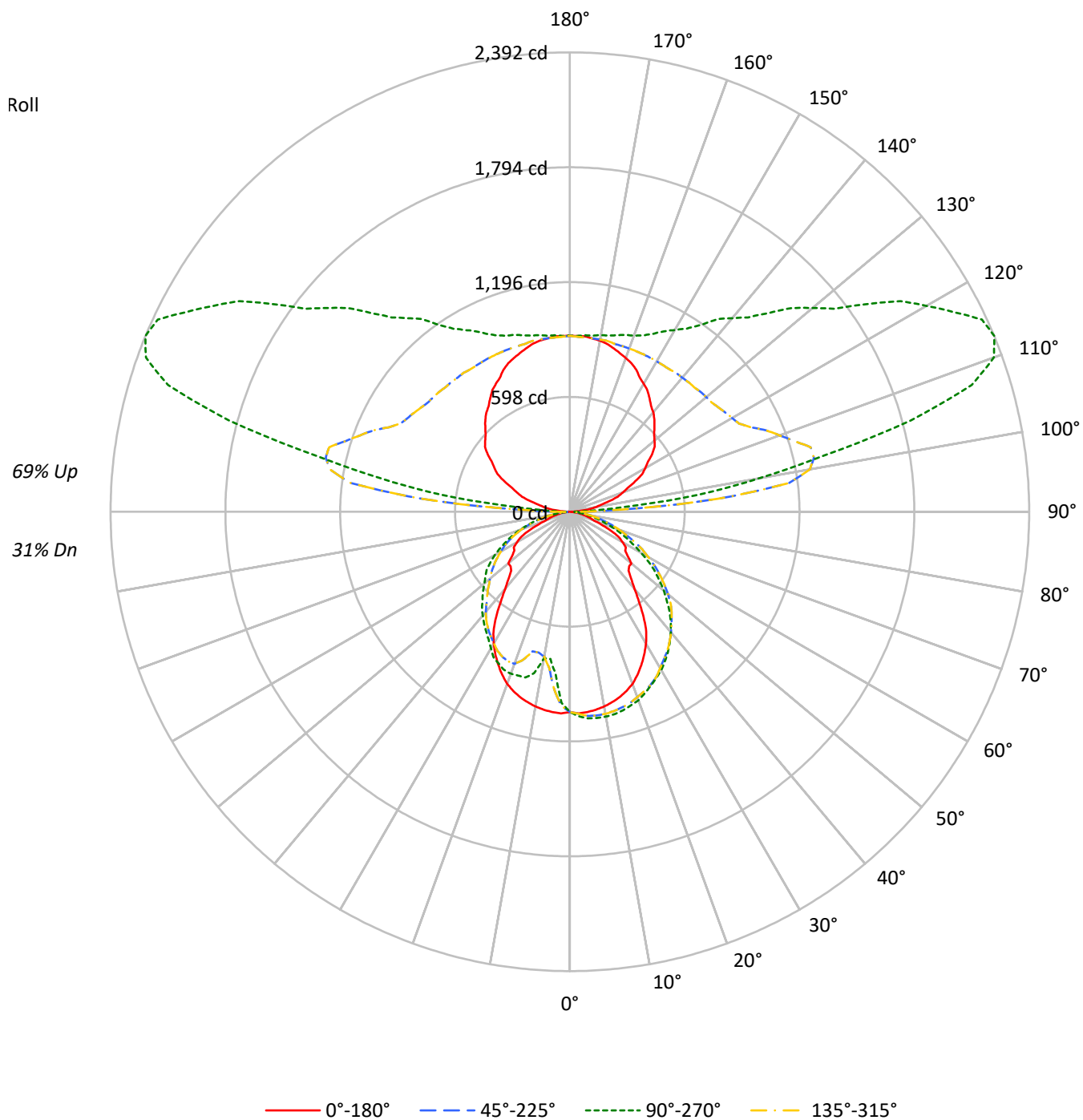
Lumens per Lamp: N/A  
Luminaire Lumens: 8646.2 lumens  
Efficiency: N/A  
Efficacy: 135.9 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')  
CIE Type: Semi-Indirect

Input Watts (W): 63.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P935983

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-4-3000K

### Luminous Intensity Polar Plot



TEST NUMBER: P935983

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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    | 20 |    |    |    | 20 |    |    |    | 20 |
| RC  | 80  |     |     |     | 70 |    |    |    | 50 |    |    |    | 30 |    |    |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 103 | 103 | 103 | 103 | 92 | 92 | 92 | 92 | 73 | 73 | 73 | 55 | 55 | 55 | 39 | 39 | 39 |
| 1   | 94  | 89  | 86  | 82  | 84 | 81 | 77 | 75 | 64 | 62 | 60 | 49 | 47 | 46 | 34 | 34 | 33 |
| 2   | 85  | 78  | 72  | 67  | 76 | 70 | 65 | 61 | 56 | 52 | 49 | 43 | 40 | 38 | 30 | 29 | 28 |
| 3   | 78  | 69  | 61  | 56  | 70 | 62 | 56 | 51 | 49 | 45 | 42 | 38 | 35 | 32 | 27 | 25 | 24 |
| 4   | 71  | 61  | 53  | 47  | 64 | 55 | 48 | 43 | 44 | 39 | 35 | 33 | 30 | 28 | 24 | 22 | 20 |
| 5   | 65  | 54  | 46  | 40  | 58 | 49 | 42 | 37 | 39 | 34 | 30 | 30 | 27 | 24 | 22 | 19 | 18 |
| 6   | 60  | 48  | 40  | 35  | 54 | 44 | 37 | 32 | 35 | 30 | 26 | 27 | 23 | 21 | 19 | 17 | 15 |
| 7   | 55  | 43  | 36  | 30  | 49 | 39 | 33 | 28 | 32 | 27 | 23 | 24 | 21 | 18 | 18 | 15 | 14 |
| 8   | 51  | 39  | 32  | 27  | 46 | 36 | 29 | 24 | 29 | 24 | 20 | 22 | 19 | 16 | 16 | 14 | 12 |
| 9   | 47  | 36  | 28  | 23  | 43 | 32 | 26 | 22 | 26 | 21 | 18 | 20 | 17 | 14 | 15 | 13 | 11 |
| 10  | 44  | 33  | 26  | 21  | 40 | 30 | 23 | 19 | 24 | 19 | 16 | 19 | 15 | 13 | 14 | 12 | 10 |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°   | 90°  | 180° | 270° |
|-----|------|------|------|------|
| 0°  | 9672 | 9672 | 9672 | 9672 |
| 5°  | 9733 | 9764 | 9733 | 7677 |
| 10° | 9658 | 9618 | 9658 | 6876 |
| 15° | 9542 | 9410 | 9542 | 7857 |
| 20° | 9332 | 9162 | 9332 | 7873 |
| 25° | 8912 | 8802 | 8912 | 7706 |
| 30° | 8374 | 8503 | 8374 | 7340 |
| 35° | 7455 | 8126 | 7455 | 6938 |
| 40° | 6201 | 7680 | 6201 | 6634 |
| 45° | 5531 | 7159 | 5531 | 6284 |
| 50° | 5862 | 6538 | 5862 | 5933 |
| 55° | 5500 | 5869 | 5500 | 5730 |
| 60° | 5648 | 4985 | 5648 | 5248 |
| 65° | 5095 | 4120 | 5095 | 4606 |
| 70° | 3503 | 3284 | 3503 | 3860 |
| 75° | 3040 | 2427 | 3040 | 2907 |
| 80° | 2401 | 1604 | 2401 | 1747 |
| 85° | 1308 | 849  | 1308 | 722  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 8492 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 94.1   | 1.1       |
| 10°-20°   | 267.1  | 3.1       |
| 20°-30°   | 413.0  | 4.8       |
| 30°-40°   | 493.0  | 5.7       |
| 40°-50°   | 495.9  | 5.7       |
| 50°-60°   | 431.5  | 5.0       |
| 60°-70°   | 305.9  | 3.5       |
| 70°-80°   | 161.8  | 1.9       |
| 80°-90°   | 43.8   | 0.5       |
| 90°-100°  | 446.7  | 5.2       |
| 100°-110° | 1174.3 | 13.6      |
| 110°-120° | 1217.6 | 14.1      |
| 120°-130° | 976.7  | 11.3      |
| 130°-140° | 766.3  | 8.9       |
| 140°-150° | 588.2  | 6.8       |
| 150°-160° | 423.6  | 4.9       |
| 160°-170° | 259.2  | 3.0       |
| 170°-180° | 87.6   | 1.0       |
| 0°-30°    | 774.2  | 9.0       |
| 0°-40°    | 1267.2 | 14.7      |
| 0°-60°    | 2194.5 | 25.4      |
| 0°-90°    | 2706.1 | 31.3      |
| 90°-120°  | 2838.6 | 32.8      |
| 90°-150°  | 5169.8 | 59.8      |
| 90°-180°  | 5940.0 | 68.7      |
| 0°-180°   | 8646.2 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1042 | 1042 | 1042 | 1042 | 1042 |      |
| 5°   | 1047 | 1080 | 1047 | 849  | 1047 | 99   |
| 15°  | 1000 | 1070 | 1000 | 893  | 1000 | 281  |
| 25°  | 881  | 998  | 881  | 874  | 881  | 404  |
| 35°  | 670  | 890  | 670  | 760  | 670  | 414  |
| 45°  | 432  | 734  | 432  | 644  | 432  | 346  |
| 55°  | 352  | 541  | 352  | 529  | 352  | 324  |
| 65°  | 244  | 326  | 244  | 365  | 244  | 234  |
| 75°  | 93   | 155  | 93   | 185  | 93   | 97   |
| 85°  | 16   | 39   | 16   | 34   | 16   | 21   |
| 90°  | 6    | 23   | 6    | 23   | 6    | 6    |
| 95°  | 59   | 270  | 59   | 270  | 59   | 66   |
| 105° | 212  | 1839 | 212  | 1839 | 212  | 224  |
| 115° | 376  | 2368 | 376  | 2368 | 376  | 371  |
| 125° | 523  | 1886 | 523  | 1886 | 523  | 464  |
| 135° | 623  | 1463 | 623  | 1463 | 623  | 482  |
| 145° | 723  | 1187 | 723  | 1187 | 723  | 453  |
| 155° | 817  | 1022 | 817  | 1022 | 817  | 375  |
| 165° | 881  | 952  | 881  | 952  | 881  | 249  |
| 175° | 916  | 922  | 916  | 922  | 916  | 87   |
| 180° | 916  | 916  | 916  | 916  | 916  |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 10°    | 20°    | 22.5°  | 30°    | 40°    | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1042.3 | 1042.3 | 1042.3 | 1042.3 | 1042.3 | 1042.3 | 1042.3 | 1042.3 | 1042.3 | 1042.3 | 1042.3 |
| 2.5°   | 1051.2 | 1051.2 | 1057.2 | 1059.2 | 1059.2 | 1056.2 | 1053.2 | 1056.2 | 1065.1 | 1068.0 | 1067.0 |
| 5°     | 1047.2 | 1055.2 | 1066.1 | 1068.0 | 1070.0 | 1069.0 | 1067.0 | 1069.0 | 1078.9 | 1080.9 | 1081.8 |
| 7.5°   | 1039.3 | 1054.2 | 1068.0 | 1071.0 | 1074.0 | 1071.0 | 1070.0 | 1072.0 | 1081.8 | 1083.8 | 1083.8 |
| 10°    | 1029.5 | 1050.2 | 1066.1 | 1068.0 | 1071.0 | 1068.0 | 1068.0 | 1072.0 | 1081.8 | 1083.8 | 1084.8 |
| 12.5°  | 1015.7 | 1044.3 | 1059.2 | 1061.1 | 1065.1 | 1064.1 | 1063.1 | 1067.0 | 1076.9 | 1078.9 | 1078.9 |
| 15°    | 999.9  | 1033.4 | 1047.2 | 1049.2 | 1056.2 | 1054.2 | 1054.2 | 1058.2 | 1069.0 | 1072.0 | 1071.0 |
| 17.5°  | 978.2  | 1019.6 | 1035.4 | 1038.4 | 1043.3 | 1042.3 | 1043.3 | 1047.2 | 1057.2 | 1059.2 | 1060.1 |
| 20°    | 953.6  | 1000.9 | 1019.6 | 1022.6 | 1027.5 | 1027.5 | 1027.5 | 1032.4 | 1042.3 | 1046.2 | 1046.2 |
| 22.5°  | 920.0  | 981.2  | 1000.9 | 1002.9 | 1008.8 | 1008.8 | 1010.7 | 1017.7 | 1026.5 | 1027.5 | 1027.5 |
| 25°    | 880.6  | 959.5  | 976.2  | 982.2  | 988.1  | 991.0  | 994.0  | 997.9  | 1000.9 | 999.9  | 1000.9 |
| 27.5°  | 839.2  | 931.9  | 953.6  | 957.5  | 965.4  | 968.4  | 972.3  | 973.3  | 974.3  | 977.2  | 975.3  |
| 30°    | 792.8  | 893.4  | 926.0  | 929.9  | 942.7  | 944.7  | 940.7  | 942.7  | 947.6  | 949.6  | 951.6  |
| 32.5°  | 740.6  | 836.2  | 897.4  | 906.2  | 918.1  | 912.1  | 911.2  | 914.1  | 922.0  | 922.0  | 924.0  |
| 35°    | 669.6  | 791.9  | 870.7  | 878.6  | 887.5  | 880.6  | 884.5  | 885.5  | 890.5  | 893.4  | 892.4  |
| 37.5°  | 591.7  | 753.4  | 843.1  | 849.0  | 855.9  | 847.1  | 853.0  | 855.9  | 859.9  | 857.9  | 857.9  |
| 40°    | 522.7  | 693.3  | 810.6  | 814.5  | 820.5  | 813.5  | 819.5  | 821.4  | 823.4  | 821.4  | 820.5  |
| 42.5°  | 471.4  | 627.2  | 776.1  | 781.0  | 777.1  | 782.0  | 784.0  | 787.9  | 785.0  | 781.0  | 781.0  |
| 45°    | 432.0  | 609.4  | 738.6  | 744.5  | 738.6  | 746.5  | 749.5  | 749.5  | 740.6  | 738.6  | 737.6  |
| 47.5°  | 419.1  | 574.0  | 701.1  | 701.1  | 698.2  | 708.0  | 713.0  | 706.1  | 697.2  | 694.2  | 694.2  |
| 50°    | 418.2  | 534.5  | 649.9  | 645.9  | 659.7  | 671.6  | 666.6  | 659.7  | 652.8  | 642.0  | 642.0  |
| 52.5°  | 379.7  | 486.2  | 583.8  | 598.6  | 620.3  | 627.2  | 619.3  | 612.4  | 600.6  | 595.6  | 591.7  |
| 55°    | 352.1  | 435.9  | 523.7  | 553.2  | 575.9  | 584.8  | 570.0  | 563.1  | 545.4  | 542.4  | 540.4  |
| 57.5°  | 346.1  | 362.9  | 468.4  | 505.9  | 533.5  | 532.5  | 523.7  | 510.8  | 496.1  | 493.1  | 492.1  |
| 60°    | 317.5  | 262.3  | 409.3  | 453.7  | 482.3  | 479.3  | 471.4  | 459.6  | 445.8  | 443.8  | 441.8  |
| 62.5°  | 287.9  | 190.3  | 342.1  | 392.5  | 433.0  | 432.0  | 425.1  | 407.3  | 397.5  | 392.5  | 388.6  |
| 65°    | 244.5  | 159.7  | 243.5  | 326.4  | 384.6  | 386.6  | 371.8  | 359.0  | 348.1  | 342.1  | 341.2  |
| 67.5°  | 186.4  | 130.2  | 164.7  | 272.1  | 338.2  | 336.2  | 317.5  | 311.6  | 297.8  | 294.8  | 288.9  |
| 70°    | 138.0  | 86.8   | 114.4  | 220.9  | 292.8  | 287.9  | 273.1  | 266.2  | 253.4  | 246.5  | 242.6  |
| 72.5°  | 114.4  | 70.0   | 83.8   | 171.6  | 246.5  | 240.6  | 227.8  | 219.9  | 209.0  | 203.1  | 199.2  |
| 75°    | 92.7   | 74.0   | 64.1   | 127.2  | 200.2  | 196.2  | 184.4  | 176.5  | 167.6  | 159.7  | 160.7  |
| 77.5°  | 68.0   | 69.0   | 51.3   | 93.7   | 158.7  | 152.8  | 145.9  | 136.1  | 132.1  | 124.2  | 124.2  |
| 80°    | 51.3   | 54.2   | 38.5   | 64.1   | 114.4  | 114.4  | 108.5  | 101.6  | 94.7   | 90.7   | 90.7   |
| 82.5°  | 34.5   | 34.5   | 28.6   | 40.4   | 77.9   | 74.9   | 71.0   | 69.0   | 65.1   | 63.1   | 63.1   |
| 85°    | 15.8   | 19.7   | 17.7   | 24.6   | 42.4   | 44.4   | 44.4   | 42.4   | 41.4   | 39.4   | 40.4   |
| 87.5°  | 4.9    | 8.9    | 10.8   | 13.8   | 21.7   | 22.7   | 23.7   | 23.7   | 23.7   | 24.6   | 24.6   |
| 90°    | 6.1    | 11.0   | 16.0   | 17.3   | 27.1   | 40.2   | 46.7   | 41.5   | 31.2   | 23.4   | 23.4   |
| 92.5°  | 24.6   | 66.4   | 108.3  | 118.7  | 166.8  | 231.0  | 263.2  | 230.6  | 165.6  | 116.8  | 112.2  |
| 95°    | 59.1   | 135.6  | 212.1  | 231.2  | 410.6  | 649.8  | 769.4  | 686.6  | 520.9  | 396.7  | 382.6  |
| 97.5°  | 102.1  | 169.6  | 237.1  | 254.0  | 553.0  | 951.9  | 1151.3 | 1098.9 | 994.2  | 915.7  | 888.9  |
| 100°   | 135.3  | 196.5  | 257.7  | 273.0  | 604.9  | 1047.4 | 1268.7 | 1272.5 | 1280.2 | 1285.9 | 1254.0 |
| 102.5° | 163.6  | 220.8  | 277.9  | 292.2  | 628.8  | 1077.5 | 1301.9 | 1368.6 | 1502.0 | 1602.1 | 1574.7 |
| 105°   | 211.6  | 260.0  | 308.3  | 320.4  | 646.3  | 1080.9 | 1298.2 | 1447.6 | 1746.7 | 1971.0 | 1956.3 |
| 107.5° | 260.8  | 305.9  | 351.0  | 362.3  | 649.7  | 1032.8 | 1224.4 | 1433.0 | 1850.0 | 2162.9 | 2166.4 |
| 110°   | 293.9  | 334.6  | 375.5  | 385.6  | 644.7  | 990.1  | 1162.9 | 1396.1 | 1862.4 | 2212.1 | 2227.4 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°    | 50°    | 60°    | 67.5°  | 70°    |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 112.5° | 326.6 | 365.4 | 404.3 | 413.9 | 644.9 | 953.0 | 1107.0 | 1345.6 | 1822.8 | 2180.7 | 2204.2 |
| 115°   | 375.8 | 411.6 | 447.3 | 456.3 | 650.9 | 910.3 | 1039.9 | 1269.8 | 1729.5 | 2074.3 | 2107.0 |
| 117.5° | 424.4 | 456.9 | 489.5 | 497.5 | 663.0 | 883.6 | 993.8  | 1201.2 | 1616.2 | 1927.3 | 1963.5 |
| 120°   | 452.6 | 483.2 | 513.8 | 521.5 | 672.7 | 874.5 | 975.4  | 1164.9 | 1544.0 | 1828.3 | 1863.4 |
| 122.5° | 480.3 | 511.1 | 542.1 | 549.8 | 686.9 | 869.8 | 961.3  | 1131.9 | 1473.3 | 1729.3 | 1764.0 |
| 125°   | 522.8 | 550.9 | 579.1 | 586.1 | 706.0 | 865.9 | 945.9  | 1090.8 | 1380.8 | 1598.3 | 1630.3 |
| 127.5° | 557.2 | 585.6 | 614.0 | 621.1 | 725.0 | 863.6 | 933.0  | 1057.5 | 1306.4 | 1493.2 | 1520.1 |
| 130°   | 575.6 | 606.2 | 636.8 | 644.4 | 739.0 | 865.0 | 928.0  | 1038.8 | 1260.5 | 1426.7 | 1451.6 |
| 132.5° | 594.7 | 625.3 | 655.9 | 663.6 | 750.2 | 865.9 | 923.7  | 1022.9 | 1221.4 | 1370.1 | 1392.4 |
| 135°   | 623.0 | 650.9 | 678.7 | 685.7 | 762.6 | 865.0 | 916.3  | 999.4  | 1165.6 | 1290.2 | 1309.4 |
| 137.5° | 651.8 | 679.5 | 707.1 | 714.0 | 781.0 | 870.4 | 915.1  | 985.3  | 1125.8 | 1231.2 | 1246.9 |
| 140°   | 675.9 | 701.3 | 726.8 | 733.1 | 792.3 | 871.3 | 910.8  | 971.4  | 1092.8 | 1183.8 | 1198.5 |
| 142.5° | 694.3 | 717.8 | 741.3 | 747.2 | 801.7 | 874.4 | 910.8  | 964.1  | 1070.7 | 1150.7 | 1163.3 |
| 145°   | 722.6 | 743.1 | 763.6 | 768.7 | 814.0 | 874.5 | 904.7  | 948.2  | 1035.4 | 1100.8 | 1110.3 |
| 147.5° | 750.8 | 770.9 | 790.8 | 795.8 | 832.1 | 880.5 | 904.7  | 939.0  | 1007.5 | 1059.0 | 1066.9 |
| 150°   | 769.4 | 787.4 | 805.4 | 809.9 | 841.5 | 883.6 | 904.7  | 933.6  | 991.5  | 1035.0 | 1041.4 |
| 152.5° | 788.4 | 802.1 | 815.7 | 819.2 | 847.7 | 885.6 | 904.7  | 929.4  | 978.9  | 1016.0 | 1020.8 |
| 155°   | 816.7 | 826.9 | 836.9 | 839.5 | 861.2 | 890.2 | 904.7  | 924.4  | 963.7  | 993.2  | 996.5  |
| 157.5° | 837.6 | 847.5 | 857.2 | 859.7 | 874.7 | 894.7 | 904.7  | 919.9  | 950.5  | 973.5  | 975.7  |
| 160°   | 851.7 | 859.4 | 867.1 | 869.0 | 880.9 | 896.8 | 904.7  | 917.8  | 944.0  | 963.6  | 964.9  |
| 162.5° | 865.9 | 871.6 | 877.3 | 878.8 | 887.4 | 898.9 | 904.7  | 915.7  | 937.9  | 954.4  | 955.6  |
| 165°   | 881.3 | 886.4 | 891.6 | 892.9 | 896.9 | 902.1 | 904.7  | 912.5  | 928.4  | 940.2  | 941.5  |
| 167.5° | 895.4 | 897.9 | 900.3 | 900.9 | 904.2 | 908.6 | 910.8  | 916.0  | 926.3  | 934.1  | 934.7  |
| 170°   | 904.7 | 907.1 | 909.6 | 910.2 | 910.4 | 910.7 | 910.8  | 916.0  | 926.3  | 934.1  | 934.1  |
| 172.5° | 909.6 | 910.1 | 910.7 | 910.8 | 910.8 | 910.8 | 910.8  | 914.9  | 923.1  | 929.2  | 928.7  |
| 175°   | 916.3 | 916.3 | 916.3 | 916.3 | 914.4 | 912.0 | 910.8  | 913.3  | 918.6  | 922.5  | 922.5  |
| 177.5° | 916.3 | 916.3 | 916.3 | 916.3 | 914.9 | 913.0 | 912.0  | 914.1  | 918.2  | 921.2  | 920.6  |
| 180°   | 916.3 | 916.3 | 916.3 | 916.3 | 916.3 | 916.3 | 916.3  | 916.3  | 916.3  | 916.3  | 916.3  |

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CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-4-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°   | 150°   | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1042.3 | 1042.3 | 1042.3 | 1042.3 | 1042.3 | 1042.3 | 1042.3 | 1042.3 | 1042.3 | 1042.3 | 1042.3 |
| 2.5°   | 1069.0 | 1066.1 | 1069.0 | 1067.0 | 1068.0 | 1065.1 | 1056.2 | 1053.2 | 1056.2 | 1059.2 | 1059.2 |
| 5°     | 1081.8 | 1079.9 | 1081.8 | 1081.8 | 1080.9 | 1078.9 | 1069.0 | 1067.0 | 1069.0 | 1070.0 | 1068.0 |
| 7.5°   | 1085.8 | 1082.8 | 1085.8 | 1083.8 | 1083.8 | 1081.8 | 1072.0 | 1070.0 | 1071.0 | 1074.0 | 1071.0 |
| 10°    | 1085.8 | 1082.8 | 1085.8 | 1084.8 | 1083.8 | 1081.8 | 1072.0 | 1068.0 | 1068.0 | 1071.0 | 1068.0 |
| 12.5°  | 1080.9 | 1078.9 | 1080.9 | 1078.9 | 1078.9 | 1076.9 | 1067.0 | 1063.1 | 1064.1 | 1065.1 | 1061.1 |
| 15°    | 1073.0 | 1070.0 | 1073.0 | 1071.0 | 1072.0 | 1069.0 | 1058.2 | 1054.2 | 1054.2 | 1056.2 | 1049.2 |
| 17.5°  | 1061.1 | 1057.2 | 1061.1 | 1060.1 | 1059.2 | 1057.2 | 1047.2 | 1043.3 | 1042.3 | 1043.3 | 1038.4 |
| 20°    | 1047.2 | 1044.3 | 1047.2 | 1046.2 | 1046.2 | 1042.3 | 1032.4 | 1027.5 | 1027.5 | 1027.5 | 1022.6 |
| 22.5°  | 1025.5 | 1022.6 | 1025.5 | 1027.5 | 1027.5 | 1026.5 | 1017.7 | 1010.7 | 1008.8 | 1008.8 | 1002.9 |
| 25°    | 1000.9 | 997.9  | 1000.9 | 1000.9 | 999.9  | 1000.9 | 997.9  | 994.0  | 991.0  | 988.1  | 982.2  |
| 27.5°  | 977.2  | 975.3  | 977.2  | 975.3  | 977.2  | 974.3  | 973.3  | 972.3  | 968.4  | 965.4  | 957.5  |
| 30°    | 953.6  | 951.6  | 953.6  | 951.6  | 949.6  | 947.6  | 942.7  | 940.7  | 944.7  | 942.7  | 929.9  |
| 32.5°  | 924.0  | 922.0  | 924.0  | 924.0  | 922.0  | 922.0  | 914.1  | 911.2  | 912.1  | 918.1  | 906.2  |
| 35°    | 893.4  | 890.5  | 893.4  | 892.4  | 893.4  | 890.5  | 885.5  | 884.5  | 880.6  | 887.5  | 878.6  |
| 37.5°  | 857.9  | 855.0  | 857.9  | 857.9  | 857.9  | 859.9  | 855.9  | 853.0  | 847.1  | 855.9  | 849.0  |
| 40°    | 821.4  | 817.5  | 821.4  | 820.5  | 821.4  | 823.4  | 821.4  | 819.5  | 813.5  | 820.5  | 814.5  |
| 42.5°  | 780.0  | 779.0  | 780.0  | 781.0  | 781.0  | 785.0  | 787.9  | 784.0  | 782.0  | 777.1  | 781.0  |
| 45°    | 735.7  | 733.7  | 735.7  | 737.6  | 738.6  | 740.6  | 749.5  | 749.5  | 746.5  | 738.6  | 744.5  |
| 47.5°  | 688.3  | 683.4  | 688.3  | 694.2  | 694.2  | 697.2  | 706.1  | 713.0  | 708.0  | 698.2  | 701.1  |
| 50°    | 638.0  | 639.0  | 638.0  | 642.0  | 642.0  | 652.8  | 659.7  | 666.6  | 671.6  | 659.7  | 645.9  |
| 52.5°  | 588.7  | 587.8  | 588.7  | 591.7  | 595.6  | 600.6  | 612.4  | 619.3  | 627.2  | 620.3  | 598.6  |
| 55°    | 539.4  | 541.4  | 539.4  | 540.4  | 542.4  | 545.4  | 563.1  | 570.0  | 584.8  | 575.9  | 553.2  |
| 57.5°  | 490.1  | 487.2  | 490.1  | 492.1  | 493.1  | 496.1  | 510.8  | 523.7  | 532.5  | 533.5  | 505.9  |
| 60°    | 433.0  | 429.0  | 433.0  | 441.8  | 443.8  | 445.8  | 459.6  | 471.4  | 479.3  | 482.3  | 453.7  |
| 62.5°  | 382.7  | 375.8  | 382.7  | 388.6  | 392.5  | 397.5  | 407.3  | 425.1  | 432.0  | 433.0  | 392.5  |
| 65°    | 329.3  | 326.4  | 329.3  | 341.2  | 342.1  | 348.1  | 359.0  | 371.8  | 386.6  | 384.6  | 326.4  |
| 67.5°  | 281.0  | 281.0  | 281.0  | 288.9  | 294.8  | 297.8  | 311.6  | 317.5  | 336.2  | 338.2  | 272.1  |
| 70°    | 236.6  | 235.7  | 236.6  | 242.6  | 246.5  | 253.4  | 266.2  | 273.1  | 287.9  | 292.8  | 220.9  |
| 72.5°  | 194.2  | 193.3  | 194.2  | 199.2  | 203.1  | 209.0  | 219.9  | 227.8  | 240.6  | 246.5  | 171.6  |
| 75°    | 156.8  | 154.8  | 156.8  | 160.7  | 159.7  | 167.6  | 176.5  | 184.4  | 196.2  | 200.2  | 127.2  |
| 77.5°  | 120.3  | 120.3  | 120.3  | 124.2  | 124.2  | 132.1  | 136.1  | 145.9  | 152.8  | 158.7  | 93.7   |
| 80°    | 89.7   | 88.7   | 89.7   | 90.7   | 90.7   | 94.7   | 101.6  | 108.5  | 114.4  | 114.4  | 64.1   |
| 82.5°  | 63.1   | 61.1   | 63.1   | 63.1   | 63.1   | 65.1   | 69.0   | 71.0   | 74.9   | 77.9   | 40.4   |
| 85°    | 39.4   | 39.4   | 39.4   | 40.4   | 39.4   | 41.4   | 42.4   | 44.4   | 44.4   | 42.4   | 24.6   |
| 87.5°  | 25.6   | 24.6   | 25.6   | 24.6   | 24.6   | 23.7   | 23.7   | 23.7   | 22.7   | 21.7   | 13.8   |
| 90°    | 23.4   | 23.4   | 23.4   | 23.4   | 23.4   | 31.2   | 41.5   | 46.7   | 40.2   | 27.1   | 17.3   |
| 92.5°  | 93.6   | 75.0   | 93.6   | 112.2  | 116.8  | 165.6  | 230.6  | 263.2  | 231.0  | 166.8  | 118.7  |
| 95°    | 326.3  | 270.0  | 326.3  | 382.6  | 396.7  | 520.9  | 686.6  | 769.4  | 649.8  | 410.6  | 231.2  |
| 97.5°  | 781.8  | 674.6  | 781.8  | 888.9  | 915.7  | 994.2  | 1098.9 | 1151.3 | 951.9  | 553.0  | 254.0  |
| 100°   | 1126.4 | 998.7  | 1126.4 | 1254.0 | 1285.9 | 1280.2 | 1272.5 | 1268.7 | 1047.4 | 604.9  | 273.0  |
| 102.5° | 1465.4 | 1356.0 | 1465.4 | 1574.7 | 1602.1 | 1502.0 | 1368.6 | 1301.9 | 1077.5 | 628.8  | 292.2  |
| 105°   | 1897.6 | 1838.8 | 1897.6 | 1956.3 | 1971.0 | 1746.7 | 1447.6 | 1298.2 | 1080.9 | 646.3  | 320.4  |
| 107.5° | 2180.6 | 2194.8 | 2180.6 | 2166.4 | 2162.9 | 1850.0 | 1433.0 | 1224.4 | 1032.8 | 649.7  | 362.3  |
| 110°   | 2288.6 | 2349.8 | 2288.6 | 2227.4 | 2212.1 | 1862.4 | 1396.1 | 1162.9 | 990.1  | 644.7  | 385.6  |

TEST NUMBER: P935983

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-4-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    | 100°   | 110°   | 112.5° | 120°   | 130°   | 135°   | 140°  | 150°  | 157.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|--------|
| 112.5° | 2298.3 | 2392.2 | 2298.3 | 2204.2 | 2180.7 | 1822.8 | 1345.6 | 1107.0 | 953.0 | 644.9 | 413.9  |
| 115°   | 2237.3 | 2367.7 | 2237.3 | 2107.0 | 2074.3 | 1729.5 | 1269.8 | 1039.9 | 910.3 | 650.9 | 456.3  |
| 117.5° | 2108.1 | 2252.6 | 2108.1 | 1963.5 | 1927.3 | 1616.2 | 1201.2 | 993.8  | 883.6 | 663.0 | 497.5  |
| 120°   | 2003.9 | 2144.5 | 2003.9 | 1863.4 | 1828.3 | 1544.0 | 1164.9 | 975.4  | 874.5 | 672.7 | 521.5  |
| 122.5° | 1902.6 | 2041.1 | 1902.6 | 1764.0 | 1729.3 | 1473.3 | 1131.9 | 961.3  | 869.8 | 686.9 | 549.8  |
| 125°   | 1757.8 | 1885.5 | 1757.8 | 1630.3 | 1598.3 | 1380.8 | 1090.8 | 945.9  | 865.9 | 706.0 | 586.1  |
| 127.5° | 1627.8 | 1735.5 | 1627.8 | 1520.1 | 1493.2 | 1306.4 | 1057.5 | 933.0  | 863.6 | 725.0 | 621.1  |
| 130°   | 1551.1 | 1650.6 | 1551.1 | 1451.6 | 1426.7 | 1260.5 | 1038.8 | 928.0  | 865.0 | 739.0 | 644.4  |
| 132.5° | 1481.5 | 1570.6 | 1481.5 | 1392.4 | 1370.1 | 1221.4 | 1022.9 | 923.7  | 865.9 | 750.2 | 663.6  |
| 135°   | 1386.2 | 1463.0 | 1386.2 | 1309.4 | 1290.2 | 1165.6 | 999.4  | 916.3  | 865.0 | 762.6 | 685.7  |
| 137.5° | 1309.8 | 1372.6 | 1309.8 | 1246.9 | 1231.2 | 1125.8 | 985.3  | 915.1  | 870.4 | 781.0 | 714.0  |
| 140°   | 1257.2 | 1316.0 | 1257.2 | 1198.5 | 1183.8 | 1092.8 | 971.4  | 910.8  | 871.3 | 792.3 | 733.1  |
| 142.5° | 1213.9 | 1264.3 | 1213.9 | 1163.3 | 1150.7 | 1070.7 | 964.1  | 910.8  | 874.4 | 801.7 | 747.2  |
| 145°   | 1148.7 | 1186.9 | 1148.7 | 1110.3 | 1100.8 | 1035.4 | 948.2  | 904.7  | 874.5 | 814.0 | 768.7  |
| 147.5° | 1098.6 | 1130.4 | 1098.6 | 1066.9 | 1059.0 | 1007.5 | 939.0  | 904.7  | 880.5 | 832.1 | 795.8  |
| 150°   | 1067.1 | 1092.8 | 1067.1 | 1041.4 | 1035.0 | 991.5  | 933.6  | 904.7  | 883.6 | 841.5 | 809.9  |
| 152.5° | 1040.2 | 1059.6 | 1040.2 | 1020.8 | 1016.0 | 978.9  | 929.4  | 904.7  | 885.6 | 847.7 | 819.2  |
| 155°   | 1009.3 | 1022.1 | 1009.3 | 996.5  | 993.2  | 963.7  | 924.4  | 904.7  | 890.2 | 861.2 | 839.5  |
| 157.5° | 984.7  | 993.8  | 984.7  | 975.7  | 973.5  | 950.5  | 919.9  | 904.7  | 894.7 | 874.7 | 859.7  |
| 160°   | 970.1  | 975.4  | 970.1  | 964.9  | 963.6  | 944.0  | 917.8  | 904.7  | 896.8 | 880.9 | 869.0  |
| 162.5° | 960.6  | 965.5  | 960.6  | 955.6  | 954.4  | 937.9  | 915.7  | 904.7  | 898.9 | 887.4 | 878.8  |
| 165°   | 946.8  | 952.0  | 946.8  | 941.5  | 940.2  | 928.4  | 912.5  | 904.7  | 902.1 | 896.9 | 892.9  |
| 167.5° | 936.9  | 939.1  | 936.9  | 934.7  | 934.1  | 926.3  | 916.0  | 910.8  | 908.6 | 904.2 | 900.9  |
| 170°   | 934.1  | 934.1  | 934.1  | 934.1  | 934.1  | 926.3  | 916.0  | 910.8  | 910.7 | 910.4 | 910.2  |
| 172.5° | 926.8  | 925.0  | 926.8  | 928.7  | 929.2  | 923.1  | 914.9  | 910.8  | 910.8 | 910.8 | 910.8  |
| 175°   | 922.5  | 922.5  | 922.5  | 922.5  | 922.5  | 918.6  | 913.3  | 910.8  | 912.0 | 914.4 | 916.3  |
| 177.5° | 918.5  | 916.3  | 918.5  | 920.6  | 921.2  | 918.2  | 914.1  | 912.0  | 913.0 | 914.9 | 916.3  |
| 180°   | 916.3  | 916.3  | 916.3  | 916.3  | 916.3  | 916.3  | 916.3  | 916.3  | 916.3 | 916.3 | 916.3  |

TEST NUMBER: P935983

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-4-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 160°   | 170°   | 180°   | 190°   | 200°   | 202.5° | 210°   | 220°   | 225°   | 230°   | 240°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1042.3 | 1042.3 | 1042.3 | 1042.3 | 1042.3 | 1042.3 | 1042.3 | 1042.3 | 1042.3 | 1042.3 | 1042.3 |
| 2.5°   | 1057.2 | 1051.2 | 1051.2 | 1041.3 | 1037.4 | 1034.4 | 1029.5 | 1014.7 | 1010.7 | 1006.8 | 1012.7 |
| 5°     | 1066.1 | 1055.2 | 1047.2 | 1029.5 | 1014.7 | 1008.8 | 990.0  | 954.5  | 930.9  | 913.1  | 903.3  |
| 7.5°   | 1068.0 | 1054.2 | 1039.3 | 1011.7 | 976.2  | 960.5  | 903.3  | 838.2  | 820.5  | 804.7  | 794.8  |
| 10°    | 1066.1 | 1050.2 | 1029.5 | 988.1  | 904.3  | 876.7  | 819.5  | 777.1  | 766.2  | 763.3  | 766.2  |
| 12.5°  | 1059.2 | 1044.3 | 1015.7 | 946.7  | 829.3  | 810.6  | 777.1  | 752.4  | 750.4  | 755.4  | 782.0  |
| 15°    | 1047.2 | 1033.4 | 999.9  | 891.4  | 787.9  | 774.1  | 750.4  | 741.6  | 752.4  | 786.9  | 866.8  |
| 17.5°  | 1035.4 | 1019.6 | 978.2  | 837.2  | 756.4  | 746.5  | 729.7  | 747.5  | 808.6  | 855.0  | 881.6  |
| 20°    | 1019.6 | 1000.9 | 953.6  | 797.8  | 733.7  | 724.8  | 716.9  | 796.8  | 843.1  | 859.9  | 874.7  |
| 22.5°  | 1000.9 | 981.2  | 920.0  | 770.2  | 710.0  | 703.1  | 708.0  | 824.4  | 843.1  | 855.0  | 867.8  |
| 25°    | 976.2  | 959.5  | 880.6  | 748.5  | 691.3  | 683.4  | 702.1  | 821.4  | 832.3  | 835.2  | 860.9  |
| 27.5°  | 953.6  | 931.9  | 839.2  | 728.8  | 668.6  | 665.6  | 707.1  | 808.6  | 816.5  | 819.5  | 847.1  |
| 30°    | 926.0  | 893.4  | 792.8  | 708.0  | 644.9  | 644.0  | 708.0  | 792.8  | 790.9  | 798.8  | 826.4  |
| 32.5°  | 897.4  | 836.2  | 740.6  | 682.4  | 622.3  | 621.3  | 701.1  | 769.2  | 767.2  | 778.1  | 798.8  |
| 35°    | 870.7  | 791.9  | 669.6  | 652.8  | 593.7  | 594.7  | 684.4  | 741.6  | 742.6  | 752.4  | 765.2  |
| 37.5°  | 843.1  | 753.4  | 591.7  | 620.3  | 566.1  | 566.1  | 661.7  | 715.9  | 714.0  | 716.9  | 734.7  |
| 40°    | 810.6  | 693.3  | 522.7  | 577.9  | 540.4  | 537.5  | 634.1  | 688.3  | 681.4  | 680.4  | 705.1  |
| 42.5°  | 776.1  | 627.2  | 471.4  | 521.7  | 510.8  | 506.9  | 600.6  | 654.8  | 642.0  | 644.9  | 676.5  |
| 45°    | 738.6  | 609.4  | 432.0  | 440.8  | 480.3  | 477.3  | 564.1  | 616.3  | 607.5  | 615.4  | 647.9  |
| 47.5°  | 701.1  | 574.0  | 419.1  | 365.9  | 447.7  | 446.8  | 523.7  | 578.9  | 574.0  | 581.8  | 616.3  |
| 50°    | 649.9  | 534.5  | 418.2  | 313.5  | 411.3  | 415.2  | 475.4  | 542.4  | 542.4  | 549.3  | 585.8  |
| 52.5°  | 583.8  | 486.2  | 379.7  | 284.0  | 368.9  | 380.7  | 433.0  | 510.8  | 512.8  | 519.7  | 552.3  |
| 55°    | 523.7  | 435.9  | 352.1  | 261.3  | 318.5  | 344.1  | 391.5  | 478.3  | 482.3  | 489.2  | 518.7  |
| 57.5°  | 468.4  | 362.9  | 346.1  | 234.7  | 272.1  | 296.8  | 355.1  | 446.8  | 448.7  | 454.6  | 483.2  |
| 60°    | 409.3  | 262.3  | 317.5  | 206.1  | 231.7  | 250.4  | 321.4  | 409.3  | 416.2  | 420.1  | 444.8  |
| 62.5°  | 342.1  | 190.3  | 287.9  | 186.4  | 212.0  | 215.9  | 293.8  | 373.8  | 382.7  | 385.6  | 400.4  |
| 65°    | 243.5  | 159.7  | 244.5  | 169.6  | 191.3  | 192.3  | 264.2  | 337.2  | 345.1  | 350.0  | 361.0  |
| 67.5°  | 164.7  | 130.2  | 186.4  | 153.8  | 175.5  | 176.5  | 235.7  | 294.8  | 305.7  | 309.6  | 316.5  |
| 70°    | 114.4  | 86.8   | 138.0  | 137.1  | 157.8  | 159.7  | 205.1  | 256.4  | 266.2  | 269.2  | 273.1  |
| 72.5°  | 83.8   | 70.0   | 114.4  | 123.2  | 139.0  | 141.0  | 173.5  | 213.0  | 222.8  | 225.8  | 227.8  |
| 75°    | 64.1   | 74.0   | 92.7   | 107.5  | 118.3  | 119.3  | 142.0  | 173.5  | 180.4  | 182.4  | 183.4  |
| 77.5°  | 51.3   | 69.0   | 68.0   | 86.8   | 96.6   | 94.7   | 111.4  | 134.1  | 140.0  | 140.0  | 140.0  |
| 80°    | 38.5   | 54.2   | 51.3   | 62.1   | 71.0   | 69.0   | 79.9   | 95.6   | 97.6   | 99.6   | 98.6   |
| 82.5°  | 28.6   | 34.5   | 34.5   | 39.4   | 47.3   | 45.4   | 53.2   | 62.1   | 62.1   | 62.1   | 64.1   |
| 85°    | 17.7   | 19.7   | 15.8   | 20.7   | 26.6   | 25.6   | 29.6   | 33.5   | 34.5   | 34.5   | 32.5   |
| 87.5°  | 10.8   | 8.9    | 4.9    | 7.9    | 11.8   | 11.8   | 13.8   | 14.8   | 13.8   | 13.8   | 13.8   |
| 90°    | 16.0   | 11.0   | 6.1    | 11.0   | 16.0   | 17.3   | 27.1   | 40.2   | 46.7   | 41.5   | 31.2   |
| 92.5°  | 108.3  | 66.4   | 24.6   | 66.4   | 108.3  | 118.7  | 166.8  | 231.0  | 263.2  | 230.6  | 165.6  |
| 95°    | 212.1  | 135.6  | 59.1   | 135.6  | 212.1  | 231.2  | 410.6  | 649.8  | 769.4  | 686.6  | 520.9  |
| 97.5°  | 237.1  | 169.6  | 102.1  | 169.6  | 237.1  | 254.0  | 553.0  | 951.9  | 1151.3 | 1098.9 | 994.2  |
| 100°   | 257.7  | 196.5  | 135.3  | 196.5  | 257.7  | 273.0  | 604.9  | 1047.4 | 1268.7 | 1272.5 | 1280.2 |
| 102.5° | 277.9  | 220.8  | 163.6  | 220.8  | 277.9  | 292.2  | 628.8  | 1077.5 | 1301.9 | 1368.6 | 1502.0 |
| 105°   | 308.3  | 260.0  | 211.6  | 260.0  | 308.3  | 320.4  | 646.3  | 1080.9 | 1298.2 | 1447.6 | 1746.7 |
| 107.5° | 351.0  | 305.9  | 260.8  | 305.9  | 351.0  | 362.3  | 649.7  | 1032.8 | 1224.4 | 1433.0 | 1850.0 |
| 110°   | 375.5  | 334.6  | 293.9  | 334.6  | 375.5  | 385.6  | 644.7  | 990.1  | 1162.9 | 1396.1 | 1862.4 |

TEST NUMBER: P935983

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-4-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 160°  | 170°  | 180°  | 190°  | 200°  | 202.5° | 210°  | 220°  | 225°   | 230°   | 240°   |
|--------|-------|-------|-------|-------|-------|--------|-------|-------|--------|--------|--------|
| 112.5° | 404.3 | 365.4 | 326.6 | 365.4 | 404.3 | 413.9  | 644.9 | 953.0 | 1107.0 | 1345.6 | 1822.8 |
| 115°   | 447.3 | 411.6 | 375.8 | 411.6 | 447.3 | 456.3  | 650.9 | 910.3 | 1039.9 | 1269.8 | 1729.5 |
| 117.5° | 489.5 | 456.9 | 424.4 | 456.9 | 489.5 | 497.5  | 663.0 | 883.6 | 993.8  | 1201.2 | 1616.2 |
| 120°   | 513.8 | 483.2 | 452.6 | 483.2 | 513.8 | 521.5  | 672.7 | 874.5 | 975.4  | 1164.9 | 1544.0 |
| 122.5° | 542.1 | 511.1 | 480.3 | 511.1 | 542.1 | 549.8  | 686.9 | 869.8 | 961.3  | 1131.9 | 1473.3 |
| 125°   | 579.1 | 550.9 | 522.8 | 550.9 | 579.1 | 586.1  | 706.0 | 865.9 | 945.9  | 1090.8 | 1380.8 |
| 127.5° | 614.0 | 585.6 | 557.2 | 585.6 | 614.0 | 621.1  | 725.0 | 863.6 | 933.0  | 1057.5 | 1306.4 |
| 130°   | 636.8 | 606.2 | 575.6 | 606.2 | 636.8 | 644.4  | 739.0 | 865.0 | 928.0  | 1038.8 | 1260.5 |
| 132.5° | 655.9 | 625.3 | 594.7 | 625.3 | 655.9 | 663.6  | 750.2 | 865.9 | 923.7  | 1022.9 | 1221.4 |
| 135°   | 678.7 | 650.9 | 623.0 | 650.9 | 678.7 | 685.7  | 762.6 | 865.0 | 916.3  | 999.4  | 1165.6 |
| 137.5° | 707.1 | 679.5 | 651.8 | 679.5 | 707.1 | 714.0  | 781.0 | 870.4 | 915.1  | 985.3  | 1125.8 |
| 140°   | 726.8 | 701.3 | 675.9 | 701.3 | 726.8 | 733.1  | 792.3 | 871.3 | 910.8  | 971.4  | 1092.8 |
| 142.5° | 741.3 | 717.8 | 694.3 | 717.8 | 741.3 | 747.2  | 801.7 | 874.4 | 910.8  | 964.1  | 1070.7 |
| 145°   | 763.6 | 743.1 | 722.6 | 743.1 | 763.6 | 768.7  | 814.0 | 874.5 | 904.7  | 948.2  | 1035.4 |
| 147.5° | 790.8 | 770.9 | 750.8 | 770.9 | 790.8 | 795.8  | 832.1 | 880.5 | 904.7  | 939.0  | 1007.5 |
| 150°   | 805.4 | 787.4 | 769.4 | 787.4 | 805.4 | 809.9  | 841.5 | 883.6 | 904.7  | 933.6  | 991.5  |
| 152.5° | 815.7 | 802.1 | 788.4 | 802.1 | 815.7 | 819.2  | 847.7 | 885.6 | 904.7  | 929.4  | 978.9  |
| 155°   | 836.9 | 826.9 | 816.7 | 826.9 | 836.9 | 839.5  | 861.2 | 890.2 | 904.7  | 924.4  | 963.7  |
| 157.5° | 857.2 | 847.5 | 837.6 | 847.5 | 857.2 | 859.7  | 874.7 | 894.7 | 904.7  | 919.9  | 950.5  |
| 160°   | 867.1 | 859.4 | 851.7 | 859.4 | 867.1 | 869.0  | 880.9 | 896.8 | 904.7  | 917.8  | 944.0  |
| 162.5° | 877.3 | 871.6 | 865.9 | 871.6 | 877.3 | 878.8  | 887.4 | 898.9 | 904.7  | 915.7  | 937.9  |
| 165°   | 891.6 | 886.4 | 881.3 | 886.4 | 891.6 | 892.9  | 896.9 | 902.1 | 904.7  | 912.5  | 928.4  |
| 167.5° | 900.3 | 897.9 | 895.4 | 897.9 | 900.3 | 900.9  | 904.2 | 908.6 | 910.8  | 916.0  | 926.3  |
| 170°   | 909.6 | 907.1 | 904.7 | 907.1 | 909.6 | 910.2  | 910.4 | 910.7 | 910.8  | 916.0  | 926.3  |
| 172.5° | 910.7 | 910.1 | 909.6 | 910.1 | 910.7 | 910.8  | 910.8 | 910.8 | 910.8  | 914.9  | 923.1  |
| 175°   | 916.3 | 916.3 | 916.3 | 916.3 | 916.3 | 916.3  | 914.4 | 912.0 | 910.8  | 913.3  | 918.6  |
| 177.5° | 916.3 | 916.3 | 916.3 | 916.3 | 916.3 | 916.3  | 914.9 | 913.0 | 912.0  | 914.1  | 918.2  |
| 180°   | 916.3 | 916.3 | 916.3 | 916.3 | 916.3 | 916.3  | 916.3 | 916.3 | 916.3  | 916.3  | 916.3  |

TEST NUMBER: P935983

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-4-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1042.3 | 1042.3 | 1042.3 | 1042.3 | 1042.3 | 1042.3 | 1042.3 | 1042.3 | 1042.3 | 1042.3 | 1042.3 |
| 2.5°   | 1005.8 | 1002.9 | 1006.8 | 996.0  | 1006.8 | 1002.9 | 1005.8 | 1012.7 | 1006.8 | 1010.7 | 1014.7 |
| 5°     | 882.6  | 877.6  | 861.9  | 849.0  | 861.9  | 877.6  | 882.6  | 903.3  | 913.1  | 930.9  | 954.5  |
| 7.5°   | 788.9  | 785.0  | 781.0  | 773.1  | 781.0  | 785.0  | 788.9  | 794.8  | 804.7  | 820.5  | 838.2  |
| 10°    | 768.2  | 769.2  | 775.1  | 774.1  | 775.1  | 769.2  | 768.2  | 766.2  | 763.3  | 766.2  | 777.1  |
| 12.5°  | 821.4  | 830.3  | 862.8  | 860.9  | 862.8  | 830.3  | 821.4  | 782.0  | 755.4  | 750.4  | 752.4  |
| 15°    | 882.6  | 885.5  | 892.4  | 893.4  | 892.4  | 885.5  | 882.6  | 866.8  | 786.9  | 752.4  | 741.6  |
| 17.5°  | 888.5  | 889.5  | 894.4  | 894.4  | 894.4  | 889.5  | 888.5  | 881.6  | 855.0  | 808.6  | 747.5  |
| 20°    | 883.6  | 885.5  | 895.4  | 897.4  | 895.4  | 885.5  | 883.6  | 874.7  | 859.9  | 843.1  | 796.8  |
| 22.5°  | 881.6  | 885.5  | 893.4  | 892.4  | 893.4  | 885.5  | 881.6  | 867.8  | 855.0  | 843.1  | 824.4  |
| 25°    | 871.7  | 871.7  | 872.7  | 873.7  | 872.7  | 871.7  | 871.7  | 860.9  | 835.2  | 832.3  | 821.4  |
| 27.5°  | 851.0  | 853.0  | 858.9  | 857.9  | 858.9  | 853.0  | 851.0  | 847.1  | 819.5  | 816.5  | 808.6  |
| 30°    | 832.3  | 830.3  | 825.4  | 821.4  | 825.4  | 830.3  | 832.3  | 826.4  | 798.8  | 790.9  | 792.8  |
| 32.5°  | 800.7  | 795.8  | 790.9  | 787.9  | 790.9  | 795.8  | 800.7  | 798.8  | 778.1  | 767.2  | 769.2  |
| 35°    | 763.3  | 764.2  | 763.3  | 760.3  | 763.3  | 764.2  | 763.3  | 765.2  | 752.4  | 742.6  | 741.6  |
| 37.5°  | 736.6  | 738.6  | 737.6  | 733.7  | 737.6  | 738.6  | 736.6  | 734.7  | 716.9  | 714.0  | 715.9  |
| 40°    | 709.0  | 710.0  | 709.0  | 706.1  | 709.0  | 710.0  | 709.0  | 705.1  | 680.4  | 681.4  | 688.3  |
| 42.5°  | 682.4  | 681.4  | 678.5  | 676.5  | 678.5  | 681.4  | 682.4  | 676.5  | 644.9  | 642.0  | 654.8  |
| 45°    | 651.8  | 652.8  | 646.9  | 644.0  | 646.9  | 652.8  | 651.8  | 647.9  | 615.4  | 607.5  | 616.3  |
| 47.5°  | 621.3  | 621.3  | 616.3  | 613.4  | 616.3  | 621.3  | 621.3  | 616.3  | 581.8  | 574.0  | 578.9  |
| 50°    | 588.7  | 587.8  | 580.9  | 579.9  | 580.9  | 587.8  | 588.7  | 585.8  | 549.3  | 542.4  | 542.4  |
| 52.5°  | 551.3  | 551.3  | 552.3  | 554.2  | 552.3  | 551.3  | 551.3  | 552.3  | 519.7  | 512.8  | 510.8  |
| 55°    | 518.7  | 519.7  | 526.6  | 528.6  | 526.6  | 519.7  | 518.7  | 518.7  | 489.2  | 482.3  | 478.3  |
| 57.5°  | 485.2  | 485.2  | 490.1  | 490.1  | 490.1  | 485.2  | 485.2  | 483.2  | 454.6  | 448.7  | 446.8  |
| 60°    | 446.8  | 448.7  | 452.7  | 451.7  | 452.7  | 448.7  | 446.8  | 444.8  | 420.1  | 416.2  | 409.3  |
| 62.5°  | 406.3  | 408.3  | 409.3  | 407.3  | 409.3  | 408.3  | 406.3  | 400.4  | 385.6  | 382.7  | 373.8  |
| 65°    | 363.9  | 365.9  | 366.9  | 364.9  | 366.9  | 365.9  | 363.9  | 361.0  | 350.0  | 345.1  | 337.2  |
| 67.5°  | 320.4  | 319.5  | 318.5  | 322.4  | 318.5  | 319.5  | 320.4  | 316.5  | 309.6  | 305.7  | 294.8  |
| 70°    | 276.1  | 276.1  | 275.1  | 277.1  | 275.1  | 276.1  | 276.1  | 273.1  | 269.2  | 266.2  | 256.4  |
| 72.5°  | 228.8  | 227.8  | 231.7  | 228.8  | 231.7  | 227.8  | 228.8  | 227.8  | 225.8  | 222.8  | 213.0  |
| 75°    | 182.4  | 184.4  | 182.4  | 185.4  | 182.4  | 184.4  | 182.4  | 183.4  | 182.4  | 180.4  | 173.5  |
| 77.5°  | 139.0  | 141.0  | 139.0  | 139.0  | 139.0  | 141.0  | 139.0  | 140.0  | 140.0  | 140.0  | 134.1  |
| 80°    | 98.6   | 97.6   | 97.6   | 96.6   | 97.6   | 97.6   | 98.6   | 98.6   | 99.6   | 97.6   | 95.6   |
| 82.5°  | 63.1   | 62.1   | 62.1   | 64.1   | 62.1   | 62.1   | 63.1   | 64.1   | 62.1   | 62.1   | 62.1   |
| 85°    | 34.5   | 35.5   | 33.5   | 33.5   | 33.5   | 35.5   | 34.5   | 32.5   | 34.5   | 34.5   | 33.5   |
| 87.5°  | 12.8   | 11.8   | 11.8   | 11.8   | 11.8   | 11.8   | 12.8   | 13.8   | 13.8   | 13.8   | 14.8   |
| 90°    | 23.4   | 23.4   | 23.4   | 23.4   | 23.4   | 23.4   | 23.4   | 31.2   | 41.5   | 46.7   | 40.2   |
| 92.5°  | 116.8  | 112.2  | 93.6   | 75.0   | 93.6   | 112.2  | 116.8  | 165.6  | 230.6  | 263.2  | 231.0  |
| 95°    | 396.7  | 382.6  | 326.3  | 270.0  | 326.3  | 382.6  | 396.7  | 520.9  | 686.6  | 769.4  | 649.8  |
| 97.5°  | 915.7  | 888.9  | 781.8  | 674.6  | 781.8  | 888.9  | 915.7  | 994.2  | 1098.9 | 1151.3 | 951.9  |
| 100°   | 1285.9 | 1254.0 | 1126.4 | 998.7  | 1126.4 | 1254.0 | 1285.9 | 1280.2 | 1272.5 | 1268.7 | 1047.4 |
| 102.5° | 1602.1 | 1574.7 | 1465.4 | 1356.0 | 1465.4 | 1574.7 | 1602.1 | 1502.0 | 1368.6 | 1301.9 | 1077.5 |
| 105°   | 1971.0 | 1956.3 | 1897.6 | 1838.8 | 1897.6 | 1956.3 | 1971.0 | 1746.7 | 1447.6 | 1298.2 | 1080.9 |
| 107.5° | 2162.9 | 2166.4 | 2180.6 | 2194.8 | 2180.6 | 2166.4 | 2162.9 | 1850.0 | 1433.0 | 1224.4 | 1032.8 |
| 110°   | 2212.1 | 2227.4 | 2288.6 | 2349.8 | 2288.6 | 2227.4 | 2212.1 | 1862.4 | 1396.1 | 1162.9 | 990.1  |

TEST NUMBER: P935983

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-4-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 260°   | 270°   | 280°   | 290°   | 292.5° | 300°   | 310°   | 315°   | 320°  |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 112.5° | 2180.7 | 2204.2 | 2298.3 | 2392.2 | 2298.3 | 2204.2 | 2180.7 | 1822.8 | 1345.6 | 1107.0 | 953.0 |
| 115°   | 2074.3 | 2107.0 | 2237.3 | 2367.7 | 2237.3 | 2107.0 | 2074.3 | 1729.5 | 1269.8 | 1039.9 | 910.3 |
| 117.5° | 1927.3 | 1963.5 | 2108.1 | 2252.6 | 2108.1 | 1963.5 | 1927.3 | 1616.2 | 1201.2 | 993.8  | 883.6 |
| 120°   | 1828.3 | 1863.4 | 2003.9 | 2144.5 | 2003.9 | 1863.4 | 1828.3 | 1544.0 | 1164.9 | 975.4  | 874.5 |
| 122.5° | 1729.3 | 1764.0 | 1902.6 | 2041.1 | 1902.6 | 1764.0 | 1729.3 | 1473.3 | 1131.9 | 961.3  | 869.8 |
| 125°   | 1598.3 | 1630.3 | 1757.8 | 1885.5 | 1757.8 | 1630.3 | 1598.3 | 1380.8 | 1090.8 | 945.9  | 865.9 |
| 127.5° | 1493.2 | 1520.1 | 1627.8 | 1735.5 | 1627.8 | 1520.1 | 1493.2 | 1306.4 | 1057.5 | 933.0  | 863.6 |
| 130°   | 1426.7 | 1451.6 | 1551.1 | 1650.6 | 1551.1 | 1451.6 | 1426.7 | 1260.5 | 1038.8 | 928.0  | 865.0 |
| 132.5° | 1370.1 | 1392.4 | 1481.5 | 1570.6 | 1481.5 | 1392.4 | 1370.1 | 1221.4 | 1022.9 | 923.7  | 865.9 |
| 135°   | 1290.2 | 1309.4 | 1386.2 | 1463.0 | 1386.2 | 1309.4 | 1290.2 | 1165.6 | 999.4  | 916.3  | 865.0 |
| 137.5° | 1231.2 | 1246.9 | 1309.8 | 1372.6 | 1309.8 | 1246.9 | 1231.2 | 1125.8 | 985.3  | 915.1  | 870.4 |
| 140°   | 1183.8 | 1198.5 | 1257.2 | 1316.0 | 1257.2 | 1198.5 | 1183.8 | 1092.8 | 971.4  | 910.8  | 871.3 |
| 142.5° | 1150.7 | 1163.3 | 1213.9 | 1264.3 | 1213.9 | 1163.3 | 1150.7 | 1070.7 | 964.1  | 910.8  | 874.4 |
| 145°   | 1100.8 | 1110.3 | 1148.7 | 1186.9 | 1148.7 | 1110.3 | 1100.8 | 1035.4 | 948.2  | 904.7  | 874.5 |
| 147.5° | 1059.0 | 1066.9 | 1098.6 | 1130.4 | 1098.6 | 1066.9 | 1059.0 | 1007.5 | 939.0  | 904.7  | 880.5 |
| 150°   | 1035.0 | 1041.4 | 1067.1 | 1092.8 | 1067.1 | 1041.4 | 1035.0 | 991.5  | 933.6  | 904.7  | 883.6 |
| 152.5° | 1016.0 | 1020.8 | 1040.2 | 1059.6 | 1040.2 | 1020.8 | 1016.0 | 978.9  | 929.4  | 904.7  | 885.6 |
| 155°   | 993.2  | 996.5  | 1009.3 | 1022.1 | 1009.3 | 996.5  | 993.2  | 963.7  | 924.4  | 904.7  | 890.2 |
| 157.5° | 973.5  | 975.7  | 984.7  | 993.8  | 984.7  | 975.7  | 973.5  | 950.5  | 919.9  | 904.7  | 894.7 |
| 160°   | 963.6  | 964.9  | 970.1  | 975.4  | 970.1  | 964.9  | 963.6  | 944.0  | 917.8  | 904.7  | 896.8 |
| 162.5° | 954.4  | 955.6  | 960.6  | 965.5  | 960.6  | 955.6  | 954.4  | 937.9  | 915.7  | 904.7  | 898.9 |
| 165°   | 940.2  | 941.5  | 946.8  | 952.0  | 946.8  | 941.5  | 940.2  | 928.4  | 912.5  | 904.7  | 902.1 |
| 167.5° | 934.1  | 934.7  | 936.9  | 939.1  | 936.9  | 934.7  | 934.1  | 926.3  | 916.0  | 910.8  | 908.6 |
| 170°   | 934.1  | 934.1  | 934.1  | 934.1  | 934.1  | 934.1  | 934.1  | 926.3  | 916.0  | 910.8  | 910.7 |
| 172.5° | 929.2  | 928.7  | 926.8  | 925.0  | 926.8  | 928.7  | 929.2  | 923.1  | 914.9  | 910.8  | 910.8 |
| 175°   | 922.5  | 922.5  | 922.5  | 922.5  | 922.5  | 922.5  | 922.5  | 918.6  | 913.3  | 910.8  | 912.0 |
| 177.5° | 921.2  | 920.6  | 918.5  | 916.3  | 918.5  | 920.6  | 921.2  | 918.2  | 914.1  | 912.0  | 913.0 |
| 180°   | 916.3  | 916.3  | 916.3  | 916.3  | 916.3  | 916.3  | 916.3  | 916.3  | 916.3  | 916.3  | 916.3 |

TEST NUMBER: P935983

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-4-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 337.5° | 340°   | 350°   | 360°   |
|--------|--------|--------|--------|--------|--------|
| 0°     | 1042.3 | 1042.3 | 1042.3 | 1042.3 | 1042.3 |
| 2.5°   | 1029.5 | 1034.4 | 1037.4 | 1041.3 | 1051.2 |
| 5°     | 990.0  | 1008.8 | 1014.7 | 1029.5 | 1047.2 |
| 7.5°   | 903.3  | 960.5  | 976.2  | 1011.7 | 1039.3 |
| 10°    | 819.5  | 876.7  | 904.3  | 988.1  | 1029.5 |
| 12.5°  | 777.1  | 810.6  | 829.3  | 946.7  | 1015.7 |
| 15°    | 750.4  | 774.1  | 787.9  | 891.4  | 999.9  |
| 17.5°  | 729.7  | 746.5  | 756.4  | 837.2  | 978.2  |
| 20°    | 716.9  | 724.8  | 733.7  | 797.8  | 953.6  |
| 22.5°  | 708.0  | 703.1  | 710.0  | 770.2  | 920.0  |
| 25°    | 702.1  | 683.4  | 691.3  | 748.5  | 880.6  |
| 27.5°  | 707.1  | 665.6  | 668.6  | 728.8  | 839.2  |
| 30°    | 708.0  | 644.0  | 644.9  | 708.0  | 792.8  |
| 32.5°  | 701.1  | 621.3  | 622.3  | 682.4  | 740.6  |
| 35°    | 684.4  | 594.7  | 593.7  | 652.8  | 669.6  |
| 37.5°  | 661.7  | 566.1  | 566.1  | 620.3  | 591.7  |
| 40°    | 634.1  | 537.5  | 540.4  | 577.9  | 522.7  |
| 42.5°  | 600.6  | 506.9  | 510.8  | 521.7  | 471.4  |
| 45°    | 564.1  | 477.3  | 480.3  | 440.8  | 432.0  |
| 47.5°  | 523.7  | 446.8  | 447.7  | 365.9  | 419.1  |
| 50°    | 475.4  | 415.2  | 411.3  | 313.5  | 418.2  |
| 52.5°  | 433.0  | 380.7  | 368.9  | 284.0  | 379.7  |
| 55°    | 391.5  | 344.1  | 318.5  | 261.3  | 352.1  |
| 57.5°  | 355.1  | 296.8  | 272.1  | 234.7  | 346.1  |
| 60°    | 321.4  | 250.4  | 231.7  | 206.1  | 317.5  |
| 62.5°  | 293.8  | 215.9  | 212.0  | 186.4  | 287.9  |
| 65°    | 264.2  | 192.3  | 191.3  | 169.6  | 244.5  |
| 67.5°  | 235.7  | 176.5  | 175.5  | 153.8  | 186.4  |
| 70°    | 205.1  | 159.7  | 157.8  | 137.1  | 138.0  |
| 72.5°  | 173.5  | 141.0  | 139.0  | 123.2  | 114.4  |
| 75°    | 142.0  | 119.3  | 118.3  | 107.5  | 92.7   |
| 77.5°  | 111.4  | 94.7   | 96.6   | 86.8   | 68.0   |
| 80°    | 79.9   | 69.0   | 71.0   | 62.1   | 51.3   |
| 82.5°  | 53.2   | 45.4   | 47.3   | 39.4   | 34.5   |
| 85°    | 29.6   | 25.6   | 26.6   | 20.7   | 15.8   |
| 87.5°  | 13.8   | 11.8   | 11.8   | 7.9    | 4.9    |
| 90°    | 27.1   | 17.3   | 16.0   | 11.0   | 6.1    |
| 92.5°  | 166.8  | 118.7  | 108.3  | 66.4   | 24.6   |
| 95°    | 410.6  | 231.2  | 212.1  | 135.6  | 59.1   |
| 97.5°  | 553.0  | 254.0  | 237.1  | 169.6  | 102.1  |
| 100°   | 604.9  | 273.0  | 257.7  | 196.5  | 135.3  |
| 102.5° | 628.8  | 292.2  | 277.9  | 220.8  | 163.6  |
| 105°   | 646.3  | 320.4  | 308.3  | 260.0  | 211.6  |
| 107.5° | 649.7  | 362.3  | 351.0  | 305.9  | 260.8  |
| 110°   | 644.7  | 385.6  | 375.5  | 334.6  | 293.9  |

TEST NUMBER: P935983

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-4-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 337.5° | 340°  | 350°  | 360°  |
|--------|-------|--------|-------|-------|-------|
| 112.5° | 644.9 | 413.9  | 404.3 | 365.4 | 326.6 |
| 115°   | 650.9 | 456.3  | 447.3 | 411.6 | 375.8 |
| 117.5° | 663.0 | 497.5  | 489.5 | 456.9 | 424.4 |
| 120°   | 672.7 | 521.5  | 513.8 | 483.2 | 452.6 |
| 122.5° | 686.9 | 549.8  | 542.1 | 511.1 | 480.3 |
| 125°   | 706.0 | 586.1  | 579.1 | 550.9 | 522.8 |
| 127.5° | 725.0 | 621.1  | 614.0 | 585.6 | 557.2 |
| 130°   | 739.0 | 644.4  | 636.8 | 606.2 | 575.6 |
| 132.5° | 750.2 | 663.6  | 655.9 | 625.3 | 594.7 |
| 135°   | 762.6 | 685.7  | 678.7 | 650.9 | 623.0 |
| 137.5° | 781.0 | 714.0  | 707.1 | 679.5 | 651.8 |
| 140°   | 792.3 | 733.1  | 726.8 | 701.3 | 675.9 |
| 142.5° | 801.7 | 747.2  | 741.3 | 717.8 | 694.3 |
| 145°   | 814.0 | 768.7  | 763.6 | 743.1 | 722.6 |
| 147.5° | 832.1 | 795.8  | 790.8 | 770.9 | 750.8 |
| 150°   | 841.5 | 809.9  | 805.4 | 787.4 | 769.4 |
| 152.5° | 847.7 | 819.2  | 815.7 | 802.1 | 788.4 |
| 155°   | 861.2 | 839.5  | 836.9 | 826.9 | 816.7 |
| 157.5° | 874.7 | 859.7  | 857.2 | 847.5 | 837.6 |
| 160°   | 880.9 | 869.0  | 867.1 | 859.4 | 851.7 |
| 162.5° | 887.4 | 878.8  | 877.3 | 871.6 | 865.9 |
| 165°   | 896.9 | 892.9  | 891.6 | 886.4 | 881.3 |
| 167.5° | 904.2 | 900.9  | 900.3 | 897.9 | 895.4 |
| 170°   | 910.4 | 910.2  | 909.6 | 907.1 | 904.7 |
| 172.5° | 910.8 | 910.8  | 910.7 | 910.1 | 909.6 |
| 175°   | 914.4 | 916.3  | 916.3 | 916.3 | 916.3 |
| 177.5° | 914.9 | 916.3  | 916.3 | 916.3 | 916.3 |
| 180°   | 916.3 | 916.3  | 916.3 | 916.3 | 916.3 |

TEST NUMBER: P935983

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-4-3000K

**CIE UGR TABLE:**

| Reflectances:   |      |                  |       |       |       |       |                |       |       |       |       |
|-----------------|------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Ceiling         |      | 0.7              | 0.7   | 0.5   | 0.5   | 0.3   | 0.7            | 0.7   | 0.5   | 0.5   | 0.3   |
| Wall            |      | 0.5              | 0.3   | 0.5   | 0.3   | 0.3   | 0.5            | 0.3   | 0.5   | 0.3   | 0.3   |
| Reference plane |      | 0.2              | 0.2   | 0.2   | 0.2   | 0.2   | 0.2            | 0.2   | 0.2   | 0.2   | 0.2   |
| Room dimensions |      | Viewed crosswise |       |       |       |       | Viewed endwise |       |       |       |       |
| X=2H            | Y=2H | 10.64            | 11.35 | 11.74 | 12.45 | 13.97 | 13.44          | 14.15 | 14.54 | 15.25 | 16.77 |
|                 | 3H   | 11.10            | 11.74 | 12.21 | 12.85 | 14.38 | 14.76          | 15.40 | 15.87 | 16.51 | 18.04 |
|                 | 4H   | 11.29            | 11.90 | 12.41 | 13.00 | 14.54 | 15.19          | 15.80 | 16.31 | 16.91 | 18.44 |
|                 | 6H   | 11.40            | 11.96 | 12.53 | 13.07 | 14.62 | 15.46          | 16.02 | 16.59 | 17.13 | 18.68 |
|                 | 8H   | 11.40            | 11.93 | 12.53 | 13.06 | 14.60 | 15.53          | 16.06 | 16.66 | 17.18 | 18.73 |
|                 | 12H  | 11.36            | 11.87 | 12.50 | 12.99 | 14.55 | 15.55          | 16.06 | 16.69 | 17.18 | 18.75 |
| 4H              | 2H   | 11.64            | 12.25 | 12.77 | 13.36 | 14.90 | 13.83          | 14.44 | 14.96 | 15.54 | 17.08 |
|                 | 3H   | 12.66            | 13.16 | 13.79 | 14.30 | 15.85 | 15.31          | 15.82 | 16.44 | 16.95 | 18.50 |
|                 | 4H   | 12.93            | 13.39 | 14.07 | 14.52 | 16.09 | 15.82          | 16.29 | 16.96 | 17.41 | 18.98 |
|                 | 6H   | 13.04            | 13.44 | 14.19 | 14.59 | 16.15 | 16.17          | 16.57 | 17.32 | 17.72 | 19.28 |
|                 | 8H   | 13.05            | 13.42 | 14.19 | 14.56 | 16.14 | 16.27          | 16.64 | 17.42 | 17.78 | 19.36 |
|                 | 12H  | 13.01            | 13.34 | 14.17 | 14.49 | 16.08 | 16.32          | 16.65 | 17.48 | 17.80 | 19.39 |
| 8H              | 4H   | 13.36            | 13.74 | 14.51 | 14.87 | 16.45 | 15.94          | 16.31 | 17.08 | 17.45 | 19.03 |
|                 | 6H   | 13.62            | 13.93 | 14.78 | 15.11 | 16.68 | 16.36          | 16.67 | 17.53 | 17.85 | 19.42 |
|                 | 8H   | 13.66            | 13.93 | 14.83 | 15.09 | 16.68 | 16.51          | 16.77 | 17.68 | 17.93 | 19.53 |
|                 | 12H  | 13.64            | 13.87 | 14.81 | 15.03 | 16.66 | 16.59          | 16.83 | 17.77 | 17.98 | 19.61 |
| 12H             | 4H   | 13.36            | 13.70 | 14.52 | 14.85 | 16.43 | 15.90          | 16.23 | 17.06 | 17.38 | 18.97 |
|                 | 6H   | 13.68            | 13.95 | 14.85 | 15.11 | 16.70 | 16.36          | 16.62 | 17.53 | 17.78 | 19.38 |
|                 | 8H   | 13.74            | 13.97 | 14.91 | 15.13 | 16.76 | 16.51          | 16.74 | 17.68 | 17.90 | 19.53 |

END OF REPORT